



ATTORNEY DOCKET NO. 19113.0083U3

PATENT

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TECH CENTER 1500/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Dix, Thomas A.

Serial No.: 10/043,581

Filed: January 10, 2002

For: "POSITIVELY CHARGED NON-NATURAL
AMINO ACIDS, METHODS OF MAKING
THEREOF, AND USE THEREOF IN PEPTIDES"

)
)
) Group Art Unit: 1642

)
)
) Examiner: Huff, S.

**INFORMATION DISCLOSURE STATEMENT SUBMITTED
IN ACCORDANCE TO THE PROVISIONS OF 37 C.F.R. §1.97(c)**

Commissioner for Patents
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.
The Candler Building
127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811

May 30, 2002

Sir:

Pursuant to the requirements of 37 C.F.R. §1.56, submitted herewith on the accompany form PTO 1449 is a listing of documents known to the applicants and/or their attorneys. Copies of these documents are enclosed.

The undersigned hereby certifies under 37 C.F.R. § 1.97(e)(1) that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement.



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Applicant hereby advises the Patent Office of the Applicant's co-pending U.S. patent application number 09/659,665, filed September 11, 2000 (Attorney Docket No. 19113.0083U2). A copy of the application is enclosed.

Consideration of the cited documents and making the same of record in the prosecution of the above-noted application are respectfully requested.

No further fee is believed due pursuant to 37 C.F.R. § 1.97(c)(1). However, the Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date shown below.

Lawrence A. Villanueva

05/30/02
Date



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Form PTO-1449
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PATENT AND TRADEMARK OFFICE

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SERIAL NO. 10/043,581

APPLICANT: Thomas A. Dix

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

FILING DATE: January 10, 2002

GROUP: 1642

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B1	5,494,898	02/27/96	Cheng <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

	B2 ✓	DE 19933701 A1 ✓	01/25/01	Wilhelm <i>et al.</i> (Germany)			
	B3	WO 98/48826 ✓	11/05/98	Silverman <i>et al.</i> (PCT)			
	B4	WO 94/28921 ✓	12/22/94	Jaynes <i>et al.</i> (PCT)			
	B5	WO 94/25477 ✓	11/10/94	Nielsen <i>et al.</i> (PCT)			
	B6	EP 0498941 A2	08/19/92	Cheng <i>et al.</i> (Europe)			
	B7	WO 89/01944	03/09/89	Folkers <i>et al.</i> (PCT)			
	B8	DE 3327873 A1	02/09/84	Fujii <i>et al.</i> (Germany)			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	B9	Chebotareva <i>et al.</i> Lipoic Acid (6,8-Dithiooctanic Acid) - (II) Synthesis of Benzhydrylammonium Salts of DL-, Alpha-Lipoyl-L-Phenylalanine, -L-Methionine, and -L-Valine. <i>Chemical Abstracts Service</i> , Database Accession No. CA62:7859a/AN, CAOLD, XP002194817, 62(7) (1965)
	B10	Havinga and Schattenkerk. Studies on Polypeptides—V ¹ : Properties of the Arginyl Residue of Des-Asp ¹ -Ile ⁵ -Angiotensin II Essential to Pressor Activity. <i>Tetrahedron</i> , 8(Part I):313-319 (1966)
	B11	Hempel and Lange. Synthese Tritium-markierter, N-methylierter Lysine. <i>Hoppe-Seyler's Z. Physiol. Chem.</i> , 350:867-876 (1969)
	B12	Kataoka. N ^o -Dimethyl- or N ^o -trimethyl-2, ω -diaminocarboxylic acids. <i>6001 Chemical Abstracts</i> , XP002194816, 69(25) (1968)
	B13	Kennedy <i>et al.</i> Asymmetric Synthesis of Non-Natural Homologues of Lysine. <i>Bioorganic & Medicinal Chem. Ltrs.</i> , 7(14):1937-1940 (1997)
	B14	Kennedy <i>et al.</i> Design rationale, synthesis, and characterization of non-natural analogs of the cationic amino acids arginine and lysine. <i>J. Peptide Res.</i> , 55(4):348-358 (2000)
	B15	Lundquist and Dix. Synthesis and Human Neurotensin Receptor Binding Activities of Neurotensin(8-13) Analogues Containing Position 8 α -Azido-N-alkylated Derivatives of Ornithine, Lysine, and Homolysine. <i>J. Med. Chem.</i> , 42:4914-4918 (1999)
	B16	Moore <i>et al.</i> N ^o , N ^o -Dimethyl-lysine cytochrome c as an NMR probe for lysine involvement in protein-protein complex formation. <i>Biochem. J.</i> , 332:439-449 (1998)
	B17	Porcelli <i>et al.</i> A Kinetic Analysis of γ -Aminobutyrate Aminotransferase in Presence and Absence of Inhibitors. <i>Ber. Bunsenges. Phys. Chem.</i> , 100(5):671-679 (1996)



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	B18	Takemoto et al. Hypotensive Constituents of Marine Algae - (I) Basic Amino Acid, Laminine, and the Basic Constituents Isolated from Laminaria Augustata (II) Synthesis of Laminine and Related Compounds, <i>Chemical Abstracts Service</i> , Database Accession No. CA62:7858e/AN, CAOLD, XP002194818, 84(12):1176-1182 (1964)
	B19	Tsuzuki et al. Synthesis of [$^2\text{H}_9$]- and [$^2\text{H}_6$]-Lysines. <i>J. Chem. Res.</i> , S:412-413 (1996)
EXAMINER:		DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		